

WHAT IS CLAIMED IS:

1. A connecting assembly of a ceiling for fixing blades,
comprising:

a connecting device adapted to be mounted to a motor of the
5 ceiling fan, the connecting device including a seat adapted to be
attached to a bottom of the motor, the seat including multiple grooves
radially defined in a bottom of the seat and extending to an outer
periphery of the seat, a channel laterally defined in one side of each of
the multiple grooves and laterally communicating with the
10 corresponding one of the multiple grooves, a buckle movably received
in a corresponding one of the channels; and

multiple brackets each having a first end inserted into a
corresponding one of the multiple grooves and a second end adapted to
connected to a blade of the ceiling fan, each bracket having an
15 indentation laterally defined in the bracket for selectively partially
receiving a corresponding one of the buckle to hold the bracket in place
when the first end of the bracket is inserted into the corresponding one
of the multiple grooves in the seat.

2. The connecting assembly as claimed in claim 1, wherein:
20 each bracket comprises an elongated arm formed on the first
end of each of the bracket and the indentation is defined in the
elongated arm; and

the connecting device comprises:

a cover having a skirt extending from a periphery of the cover and the seat received in the cover within the skirt, the seat held in place by multiple first bolts that extend through the cover and are screwed into the seat;

5 multiple entrances laterally defined in and extending through the skirt, each entrance aligning with a corresponding one of the multiple grooves for allowing the elongated arm of the bracket inserted into the seat;

a recess defined in a first side of each of the buckle;

10 a spring partially compressively received in the recess and abutting a bottom of the channel for providing a restitution force to the buckle after the buckle being upwardly moved toward the bottom of the channel; and

a rod perpendicularly extending from a second side of each of the buckle and through the cover for user to upwardly push the buckle to make the buckle detaching from the indentation of the bracket.

3. The connecting assembly as claimed in claim 2, wherein:

the seat comprises two parallel rails extending from a bottom of each of the multiple grooves and parallel to an axis of a corresponding one of the multiple grooves, and a stopper extending from one side of the each of the multiple grooves between the two parallel rails and toward the outer periphery of the seat; and

the elongated arm comprises two notches longitudinally defined in a top surface thereof for slidably receiving the two parallel rails in a corresponding one of the multiple grooves for radially guiding the elongated arm inserted into the seat, and a cutout defined in a front
5 end of the elongated arm for receiving the stopper in the corresponding one the multiple grooves when the elongated arm is secured in the corresponding on the multiple grooves.

4. The connecting assembly as claimed in claim 2, wherein:

the buckle comprises a first side laterally extending into the
10 corresponding one of the multiple grooves and having a downward guiding portion formed and facing the outer periphery of the seat; and

the elongated arm comprises an upward guiding portion formed on a front end of the elongated arm and complementally corresponding to the downward guiding portion of the buckle, whereby
15 the upward guiding portion upwardly pushes the buckle due to the downward guiding portion of the buckle when the elongated arm is inserted into the seat.

5. The connecting assembly as claimed in claim 2, wherein the channel comprises two opposite sides each having a rib longitudinally
20 extending relative to the seat and the buckle comprises two opposite ends each having a slit defined to slidably receive the two ribs in a corresponding one of the channels for guiding the buckle moved in the channel.

6. The connecting assembly as claimed in claim 2, wherein the seat comprises multiple protrusions extending from a top surface thereof toward the motor of the ceiling fan, whereby a gap is formed between the seat and the motor for dissipating the heat cause by the
5 motor.

7. The connecting assembly as claimed in claim 3, wherein:
the buckle comprises a first side laterally extending into the corresponding one of the multiple grooves and having a downward guiding portion formed and facing the outer periphery of the seat; and
10 the elongated arm comprises an upward guiding portion formed on a front end of the elongated arm and complementally corresponding to the downward guiding portion of the buckle, whereby the upward guiding portion upwardly pushes the buckle due to the downward guiding portion of the buckle when the elongated arm is
15 inserted into the seat.

8. The connecting assembly as claimed in claim 3, wherein the channel comprises two opposite sides each having a rib longitudinally extending relative to the seat and the buckle comprises two opposite ends each having a slit defined to slidably receive the two ribs in a
20 corresponding one of the channels for guiding the buckle moved in the channel.

9. The connecting assembly as claimed in claim 3, wherein the seat comprises multiple protrusions extending from a top surface

thereof toward the motor of the ceiling fan, whereby a gap is formed between the seat and the motor for dissipating the heat cause by the motor.

10. The connecting assembly as claimed in claim 4, wherein the
5 channel comprises two opposite sides each having a rib longitudinally extending relative to the seat and the buckle comprises two opposite ends each having a slit defined to slidably receive the two ribs in a corresponding one of the channels for guiding the buckle moved in the channel.

10 11. The connecting assembly as claimed in claim 4, wherein the seat comprises multiple protrusions extending from a top surface thereof toward the motor of the ceiling fan, whereby a gap is formed between the seat and the motor for dissipating the heat cause by the motor.

15 12. The connecting assembly as claimed in claim 5, wherein the seat comprises multiple protrusions extending from a top surface thereof toward the motor of the ceiling fan, whereby a gap is formed between the seat and the motor for dissipating the heat cause by the motor.

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